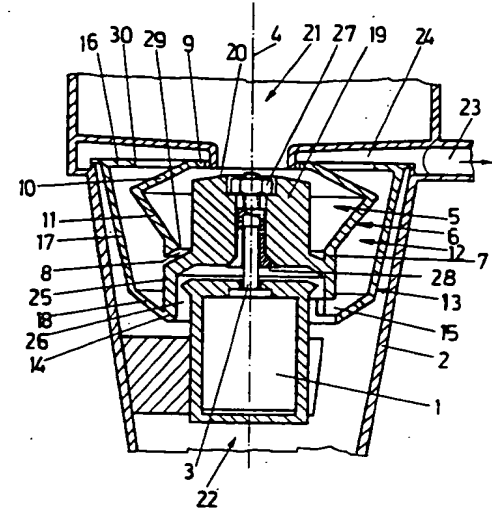
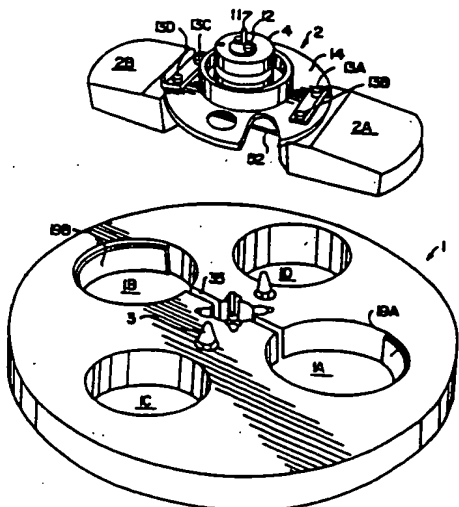


## B04B

|  |  |   |
|--|--|---|
| <p>(21) Int. Application Number: PCT/AT88/00085</p> <p>(22) Int. Filing Date: 3 November 1988 (03.11.88)</p>   | <p>(51) International Patent Classification<sup>4</sup>:<br/><b>B04B 1/02, A61C 17/04</b></p>  | <p>(11) Int. Publication Number: <b>WO 89/04214</b></p> <p>(43) Int. Publication Date: 18 May 1989 (18.05.89)</p> |
| <p>(31) Priority Application Number: A 2887/87</p> <p>(32) Priority Date: 3 November 1987 (03.11.87)</p> <p>(33) Priority Country: AT</p>  | <p>(54) Title: CENTRIFUGAL SEPARATOR</p> <p>(57) Abstract</p>  |                                 |
| <p>(71)(72) Applicants and Inventors: TRAWÖGER, Werner [AT/AT]; Höttinger Au 60, A-6020 Innsbruck (AT). PREGENZER, Bruno [AT/AT]; Huebe 30, A-6173 Oberperfuß (AT).</p> <p>(74) Agents: TORGGLER, Paul et al.; Wilhelm-Greilstraße 16, A-6020 Innsbruck (AT).</p> <p>(81) Designated States: AT (European patent), BE (European patent), CH (European patent), DE (Utility model), DE (European patent), DK, FI, FR (European patent), GB (European patent), IT (European patent), JP, LU (European patent), NL (European patent), SE (European patent).</p> | <p>The solids-liquid mixture in a dental extraction installation is separated by a centrifugal separator comprising a solid bowl centrifuge containing at least two centrifuge chambers (5, 12, 31) with convex generatrices connected in series in the flow path. The casings (6, 13) of the two centrifuge chambers (5, 12) are preferably nested.</p> |   |
| <p>Published<br/>With international search report.</p>   |  |   |

|   |   |   |
|---|---|---|
| <p>(21) Int. Application Number: PCT/US88/03720</p> <p>(22) Int. Filing Date: 20 October 1988 (20.10.88)</p>  | <p>(51) International Patent Classification<sup>4</sup>:<br/><b>B04B 5/00</b></p>   | <p>(11) Int. Publication Number: <b>WO 89/04215</b></p> <p>(43) Int. Publication Date: 18 May 1989 (18.05.89)</p> |
| <p>(31) Priority Application Number: 115,217</p> <p>(32) Priority Date: 30 October 1987 (30.10.87)</p> <p>(33) Priority Country: US</p>   | <p>(54) Title: ROTOR FOR CENTRIFUGE</p> <p>(57) Abstract</p>  |                               |
| <p>(71) Applicant: BECKMAN INSTRUMENTS, INC. [US/US]; 2500 Harbor Boulevard, Fullerton, CA 92634 (US).</p> <p>(72) Inventor: PENHASI, Harry, Aron; 11064 La Paloma Drive, Cupertino, CA 95014 (US).</p> <p>(74) Agents: MAY, William, H. et al.; Beckman Instruments, Inc., 2500 Harbor Boulevard, Fullerton, CA 92634 (US).</p> <p>(81) Designated States: AT (European patent), BE (European patent), CH (European patent), DE (European patent), FR (European patent), GB (European patent), IT (European patent), JP (Utility model), LU (European patent), NL (European patent), SE (European patent).</p> | <p>The present invention provides an improved rotor for a centrifuge that operates by centrifugal elutriation. The rotor consists of a chamber assembly, a disk assembly, and a quick release mechanism. The chamber assembly is relatively light and it includes one or two separation chambers, tubing and a rotating seal. The disk assembly consists of the relatively heavy support structure. The two piece construction facilitates handling the parts of the rotor that generally need to be autoclaved. The chamber assembly has a novel structure that allows the rotor to easily be configured for operation with one or two chambers. The disk assembly has a unique strain relief that prevents structural cracking. The quick release mechanism is held in the latched position by centrifugal force during operation of the rotor.</p> |   |
| <p>Published<br/>With international search report.<br/>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p>   |   |   |